

Name: \_\_\_\_\_

Block: \_\_\_\_\_

Do Now

$(+6) + (-25) =$

$(+17) + (+6) =$

$(+24) + (+11) =$

$(+21) - (+3) =$

$(+35) - (+24) =$

$(-5) + (+8) =$

$(-4) - (-9) =$

$(+25) - (+2) =$

$(-22) + (-22) =$

$(-44) - (-19) =$

$(+3) - (+10) =$

$(+22) - (+4) =$

FATHER  
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*dress*  
+ *dress*

Name: \_\_\_\_\_  
Block: \_\_\_\_\_

Relay Race

Problem: \_\_\_\_\_

Grouping Symbols	
Exponents	
Multiplication & Division (left to right)	
Addition & Subtraction (left to right)	

Name: \_\_\_\_\_

**OBJ: SWBAT use the order of operations to solve complex expressions**

Sample Question: What is the value of the expression:  $6 + (2+2)^3 \div 2$ ?

The **ORDER OF OPERATIONS**:

- 1) Solve operations inside **PARENTHESES** first.
- 2) Simplify **EXPONENTS** using exponent laws.
- 3) **MULTIPLY OR DIVIDE**, whichever comes first L to R.
- 4) **ADD OR SUBTRACT**, whichever comes first L to R.

$5 + 8(6 - 2)^2 \div 4$	$-21 - (-5) + (-2)^3$	$\frac{(2^5)(2^{-3})}{2^2}$
P	P	P
E	E	E
M/D	M/D	M/D
A/S	A/S	A/S

**Show Me What You Got!** Evaluate the expressions below. You must show all your work to receive full credit!

$$(9 - 5)^2$$

$$(-8 + 3)^3$$

$$4 - 3 + 8 + 3$$

$$10 - (4 - 2) + 7$$

$$-21 - (-5) + (-2)^3$$

$$2(3 + 4)^2$$

$$8 \times (-2) - 3^2$$

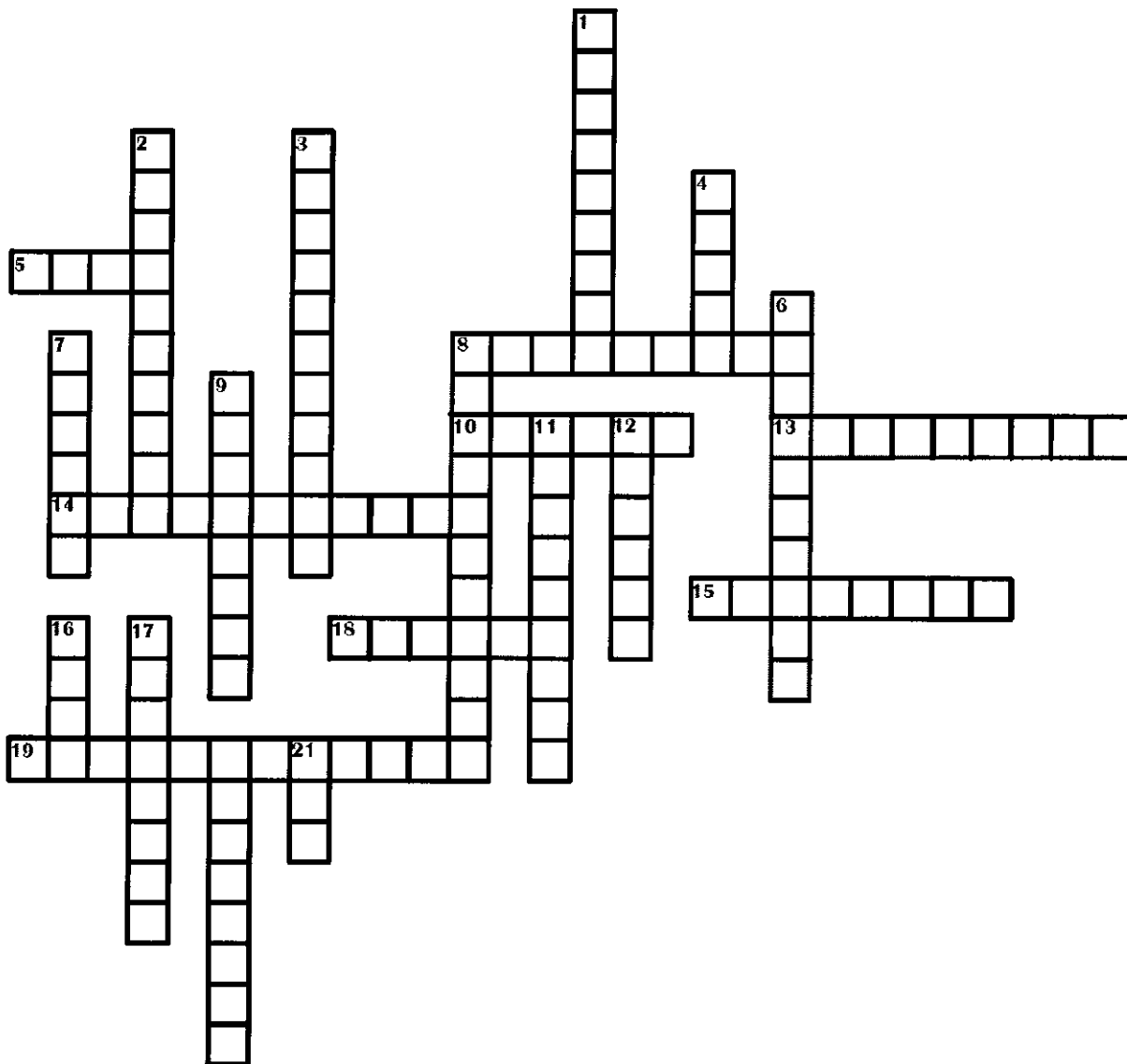
$$0.4 + \frac{2(1.1 - 0.6)}{0.5}$$

$$10 - (9 + 2) \times 2$$

$$2(-1)^2 - 7$$

Name \_\_\_\_\_

Date \_\_\_\_\_



**Across**

5.  $(25 + 15) - 6^2 =$
8.  $2 + 5 \cdot 6 =$
10.  $12 - 4 \div 4 =$
13.  $5 + 3 \cdot 7 - 5 =$
14.  $(6 + 8)^2 \div 7 =$
15.  $21 \div 3 \cdot 6 =$
18.  $(8 - 5)^3 + 9 \cdot 7 =$
19.  $8 \cdot 3^2 + 5 =$

**Down**

1.  $(6 - 8 \div 4)^3 =$
2.  $8 \cdot 4 + 3 =$
3.  $24 \div 12 + 5 \cdot 7 =$
4.  $19 + 5 - 8 \cdot 4 \div 2 =$
6.  $9 + 16 \div 4 + 5 \cdot 6 =$
7.  $6(9 - 4) =$
8.  $[(32 - 7 \cdot 2) \div 6]^3 =$
9.  $12 - 9 + 7^2 =$
11.  $19 + 3^2 \cdot 7 =$
12.  $8(2)(5) =$
16.  $3^2 \cdot 2^3 - 9 \cdot 7 =$
17.  $18 + 6 - 9 + 4 =$
20.  $(3 + 7^2) \div 4 =$
21.  $12 - 8 + 2 =$

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### Exit Slip

1. Evaluate  $8^2 \div (32 \div 2) - 2(3 - 5)$ .

2. Evaluate  $15(\frac{12}{3}) - 7^2 - 2 \cdot 7$

3. Evaluate  $3^2 \cdot 4 \div 18 + 30 \cdot 6 - 1$